clarion®

Owner's manual
Mode d'emploi
Manual de instrucciones

DXZ655MP

CD/MP3/WMA Receiver / CeNET Control
•
Récepteur CD/MP3/WMA / Commande CeNET
•
Reproductor de discos CD/MP3/WMA con receptor y control CeNET

ProAudio CeNET

COMPACT
DIGITAL AUDIO
TEXT

SIRIUS
READY

Plays
Windows™
Media™

Thank you for purchasing this **Clarion** product.

∗ Please read this owner's manual in its entirety before operating this equipment.
∗ After reading this manual, be sure to keep it in a handy place (e.g., glove compartment).
∗ Check the contents of the enclosed warranty card and keep it carefully with this manual.
∗ This manual includes the operating procedures of the CD changer, SIRIUS and TV tuner connected via the CeNET cable. The CD changer and TV tuner have their own manuals, but no explanations for operating them are described.

Contents

1. FEATURES

- Full-Dot, High-Contrast Positive Display With Eye-Catching Graphics
- 728 Variable Colors (Display/Function Key)
- MP3 and WMA Playback With ID3-TAG and WMA-TAG Display Capability
- High-Powered Internal MOSFET Amplifier (53 Watts x 4 Channels)
- 6-Channel RCA Output for Easy System Expansion
- Auxiliary Input for External Device Connection
- Sound Enhancing 2-Band Parametric EQ / Z-Enhancer Plus / Magna Bass EX
- Motorized Sloping Faceplate for CD Loading
- Detachable Aluminum Faceplate

2. PRECAUTIONS

1. When the inside of the car is very cold and the player is used soon after switching on the heater moisture may form on the disc or the optical parts of the player and proper playback may not be possible. If moisture forms on the disc, wipe it off with a soft cloth. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.

2. Driving on extremely bumpy roads which cause severe vibration may cause the sound to skip.

3. This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio/TV technician for help.

⚠CAUTION

USE OF CONTROLS, ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
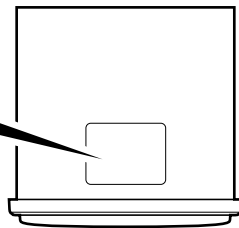
THE COMPACT DISC PLAYER and MINI DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE MANUFACTURER FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

INFORMATION FOR USERS:

CHANGES OR MODIFICATIONS TO THIS PRODUCT NOT APPROVED BY THE MANUFACTURER WILL VOID THE WARRANTY AND WILL VIOLATE FCC APPROVAL.

MODEL

clarion

12V ⏚ GROUND
AM 530-1710kHz/FM 87.9-107.9MHz

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

THIS PRODUCTION COMPLIES WITH DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE.

CLARION CO.,LTD.
50 KAMITODA,TODA-SHI,SAITAMA-KEN,JAPAN

This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from MSLGP.

MANUFACTURED:

286-
SERIAL No.   Clarion Co.,Ltd.
PE-   MADE IN

Bottom View of Source Unit

Motorized Face

This unit uses motorized face to make large-screen displays possible.

When you use the motorized face, be sure to close it.

⚠CAUTION

BE CAREFUL NOT TO GET YOUR FINGERS CAUGHT WHEN OPENING AND CLOSING THE MOTORIZED FACE.

1. For safety's sake, always close the MOTORIZED FACE before leaving this unit unused for a prolonged period or switching OFF the ignition key.

   If you switch OFF the ignition key with the MOTORIZED FACE tilted, the MOTORIZED FACE does not close.

2. Before the MOTORIZED FACE closes, there may be a braking sound from the safety mechanism. This is normal.

3. If you move the MOTORIZED FACE by hand, this may create play. To correct this play, with the power on for the unit, press the [▲] button to close the MOTORIZED FACE.

4. After a disc is ejected, the MOTORIZED FACE automatically returns to the tilted or closed state. If there is any obstruction when the MOTORIZED FACE tries to close, the safety mechanism is triggered and the MOTORIZED FACE returns to the open state. If this happens, remove the obstruction, then press the [▲] button.

5. To avoid scratching the compact disk, keep the 12 or 8 cm CD level when inserting or removing them.
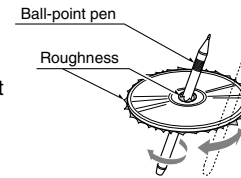
Handling Compact Discs

Use only compact discs bearing the ⓭ or 🔹 mark.

Do not play heart-shaped, octagonal, or other specially shaped compact discs.

Some CDs recorded in CD-R/CD-RW mode may not be usable.

Handling
• Compared to ordinary music CDs, CD-R and CD-RW discs are both easily affected by high temperature and humidity and some of CD-R and CD-RW discs may not be played. Therefore, do not leave them for a long time in the car.
• New discs may have some roughness around the edges. If such discs are used, the player may not work or the sound may skip. Use a ball-point pen or the like to remove any roughness from the edge of the disc.

Ball-point pen

Roughness

• Never stick labels on the surface of the compact disc or mark the surface with a pencil or pen.
• Never play a compact disc with any cellophane tape or other glue on it or with peeling off marks. If you try to play such a compact disc, you may not be able to get it back out of the CD player or it may damage the CD player.

• Do not use compact discs that have large scratches, are misshapen, cracked, etc. Use of such discs may cause misoperation or damage.
• To remove a compact disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.
• Do not use commercially available CD protection sheets or discs equipped with stabilizers, etc. These may damage the disc or cause breakdown of the internal mechanism.

Storage
• Do not expose compact discs to direct sunlight or any heat source.
• Do not expose compact discs to excess humidity or dust.
• Do not expose compact discs to direct heat from heaters.

Cleaning
• To remove fingermarks and dust, use a soft cloth and wipe in a straight line from the center of the compact disc to the circumference.
• Do not use any solvents, such as commercially available cleaners, anti-static spray, or thinner to clean compact discs.
• After using special compact disc cleaner, let the compact disc dry off well before playing it.
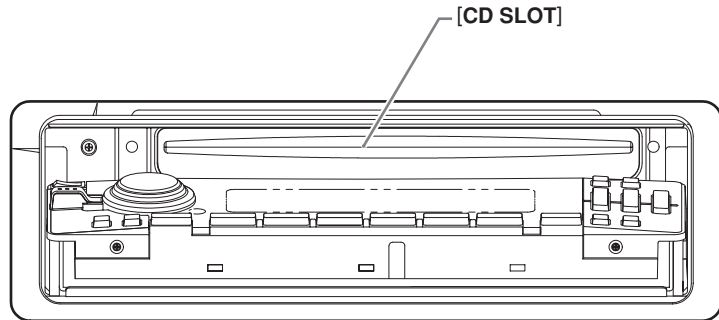
3.CONTROLS / LES COMMANDES / CONTROLES

Source unit / Appareil pilote / Unidad fuente
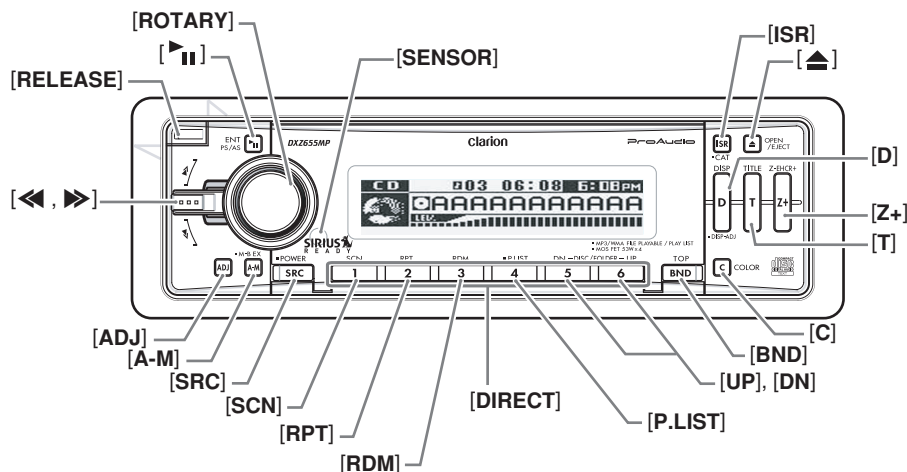
With the MOTORIZED FACE opened / Ouvrez la FACE MOTORISÉE
Apertura del FRONTAL MOTORIZADO

Note: Be sure to unfold this page and refer to the front diagrams as you read each chapter.
Remarque: Veuillez déplier cette page et vous référer aux schémas quand vous lisez chaque chapitre.
Nota: Cuando lea los capítulos, despliegue esta página y consulte los diagramas.

4. NOMENCLATURE

Note:
• Be sure to read this chapter referring to the front diagrams of chapter "**3. CONTROLS**" on page 5 (unfold).

Names of the Buttons and their Functions

[RELEASE] button
• Deeply push in the button to unlock the DCP.

[▶II] button
• Perform preset scan while in the radio mode. When the button is pressed and held, auto store is performed.
• Play or pause a CD while in the CD/MP3/WMA mode.

[ROTARY] knob
• Adjust the volume by turning the knob clockwise or counterclockwise.
• Use the knob to perform various settings.

[SENSOR]
• Receiver for remote control unit
• Operating range: 30° in all directions

[ISR] button
• Recall ISR radio station in memory.
• Press and hold for 2 seconds or longer: Store current station into ISR memory (radio mode only).

[▲] button
• Press to eject a CD loaded in the unit.
• Press to open the CD slot and insert a CD.

[D] button
• Switch the display indication (Main display, Sub display and Title display).
• Press and hold the button for 1 second or longer to enter the display adjust mode.

[Z+] button
• Use the button to select one of the 4 types of sound characteristics already stored in memory.

[T] button
• Use the button to input a title in the radio, CD mode.
• Use the button to switch the user titles or track titles, while in the CD/MP3/WMA mode.
• Use the button to scroll the title during the CD-text play, while in the CD/MP3/WMA mode.

[C] button
• Button's color change to multicolor.

[BND] button
• Switch the band, or seek tuning or manual tuning while in the radio mode.
• Play a first track while in the CD/MP3/WMA mode.
• Press the button to change the character.

[UP], [DN] buttons
• Select the folder while in the MP3/WMA mode.

[P.LIST] button
• Press and hold for 1 second or longer to turn on or off the play list mode. (MP3/WMA disc only)

[DIRECT] buttons
• Store a station into memory or recall it directly while in the radio mode.

[RDM] button
• Perform random play while in the CD/MP3/WMA mode.
• Press and hold the button for 1 second or longer to perform folder random play while in the MP3/WMA mode.

[RPT] button
• Repeat play while in the CD/MP3/WMA mode.
• Press and hold the button for 1 second or longer to perform folder repeat play while in the MP3/WMA mode.

[SCN] button
• Perform scan play for 10 seconds of each track while in the CD/MP3/WMA mode.
• Press and hold the button for 1 second or longer to perform folder scan play while in the MP3/WMA mode.

[SRC] button
• Press the button to turn on the power. Press and hold the button for 1 second or longer to turn off the power.
• Switch the operation mode among the radio mode, etc.

[A-M] button
• Use the button to switch to the audio mode (sub-woof vol, bass, treble, balance, fader, Z-Enhancer Plus)
• Press and hold for 1 second or longer to turn on or off the MAGNA BASS EXTEND mode.

[ADJ] button
• Press the button to enter the adjust mode.

[◄◄, ►►] lever
• Select a station while in the radio mode or select a track when listening to a CD. This lever is used to make various settings.
• Press the lever upward or downward and hold in position for 1 second or longer to enter the fast-forward or fast-backward mode.

[CD SLOT]
• CD insertion slot.

Major button operations when external equipment is connected to this unit

● When the CD/DVD changer is connected

* For details, see the section "**CD Changer Operations**". For the DVD changer, refer to the Owner's Manual provided with the DVD changer.

[▶ᴵᴵ] button
• Play or pause a CD or DVD.

[D] button
• Press the button to display the title.
• Press and hold the button for 1 second or longer to enter the display adjust mode.

[T] button
• Press the button switches the user titles or track titles, etc. while in the CD changer mode.
• Use the button to input a title in the CD changer mode.
• Use the button to scroll the title during CD-text play.

[BND] button
• Move the next disc in increasing order.

[UP], [DN] buttons
• Select the disc.

[RDM] button
• Perform random play. Also perform disc random play when the button is pressed and held.

[RPT] button
• Perform repeat play. When this button is pressed and held, disc repeat play is performed.

[SCN] button
• Perform scan play for 10 seconds of each track. Disc scan play is performed when the button is pressed and held.

[◀◀, ▶▶] lever
• Select a track when listening to a disc.
• Press the lever upward or downward and hold in position for 1 second or longer to enter the fast-forward or fast-backward mode.

● When the TV is connected

* For details, see the section "**TV Operations**".

[▶ᴵᴵ] button
• Perform preset scan while in the TV mode. When the button is pressed and held, auto store is performed.

[BND] button
• Switch the band.
• When the button is pressed and held, switch seek tuning or manual mode.

[DIRECT] buttons
• Store a station into memory or recall it directly.

[ADJ] button
• Press and hold the button for 1 second or longer to switch the TV picture mode or VTR (external) picture mode.

[◀◀, ▶▶] lever
• Select a station.

● When the Sirius Satellite Radio is connected

* For details, refer to the Owner's Manual provided with the Sirius Satellite Radio.

[ISR] button
• Select the CAT (Category) while in the SIRIUS radio mode.

[DIRECT] buttons
• Stores a station into memory or recall it directly while in the SIRIUS mode.

[SRC] button
• Press the button to switch the operation mode among the SIRIUS mode, etc.

[◀◀, ▶▶] lever
• Select a station.

What is Sirius Satellite Radio? SIRIUS READY

Sirius is radio the way it was meant to be: Up to 100 new channels of digital quality programming delivered to listeners coast to coast via satellite. That means 50 channels of completely commercial-free music. Plus up to 50 more channels of news, sports, and entertainment from names like CNBC, Discovery, SCI-FI Channel, A&E, House of Blues, E!, NPR, Speedvision and ESPN.

Sirius is live, dynamic entertainment, completely focused on listeners. Every minute of every day of every week will be different. All 50 commercial-free music channels are created in-house and hosted by DJs who know and love the music. Do you like Reggae? How about Classic Rock or New Rock? Sirius has an array of choices spanning a vast range of musical tastes including the hits of the 50's, 60's, 70's, & 80's as well as Jazz, Country, Blues, Pop, Rap, R&B, Bluegrass, Alternative, Classical, Heavy Metal, Dance and many others...

From its state-of-the-art, digital broadcasting facility in Rockefeller Center, New York City, Sirius will deliver the broadest, deepest mix of radio entertainment from coast to coast.

Sirius will bring you music and entertainment programming that is simply not available on traditional radio in any market across the country. It's radio like you've never heard before.

So Get Sirius and Listen Up! For more information, visit siriusradio.com.

Display Items

Source indication
FM1-3, AM1 : Radio mode
SR1-3 : Satellite radio mode (SIRIUS)
CD : CD mode
CDC1-4 : CD changer mode
DVDC : DVD changer mode
TV1-2 : TV mode
AUX : AUX mode

• Radio mode : Preset No. / frequency
• CD mode : Track No. / playback time
• MP3/WMA mode
    : Folder No. /track No. / playback time
• CD / DVD changer mode
    : Disc No. / track No. / playback time
• TV / SIRIUS mode : Preset No. / channel

Clock time,
Mute indication

Level bar display
Spectrum analyzer display
(refer to page 20)
Title display

Operation status indication

Source icon
The source icon can be changed
by selecting the " ⬍ **SPE**/**ANA PTN**
SRC ICON" item in the section "**To**
change display setting" ➔
"**Setting the spectrum analyzer**
pattern" (refer to page 20)

Function display
MP3 : MP3 indication
WMA : WMA indication
ST : Stereo indication
MANU : Manual indication

LCD Screen

In extreme cold, the screen movement may slow down and the screen may darken, but this is normal.
The screen will recover when it returns to normal temperature.

5. DCP

The control panel can be detached to prevent theft. When detaching the control panel, store it in the DCP (DETACHABLE CONTROL PANEL) case to prevent scratches.
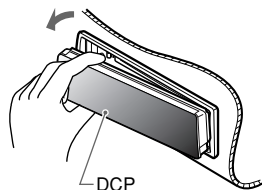
We recommend taking the DCP with you when leaving the car.

Removing the DCP

1. With the MOTORIZED FACE closed, turn off the power.
2. Press the [**RELEASE**] button deeply to open the DCP.

[**RELEASE**] button
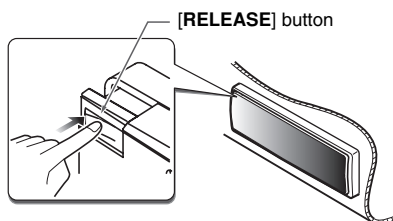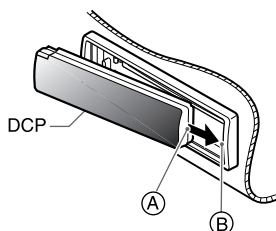
3. Pull the DCP toward you and remove it.

DCP

⚠CAUTION

- **Always close the MOTORIZED FACE before removing the DCP.**
- **If you remove the DCP with the MOTORIZED FACE open, the MOTORIZED FACE closes immediately. Be careful not to get your fingers caught.**

Attaching the DCP

1. Insert the DCP so that the Ⓐ section on the right side of the DCP catches on the hook Ⓑ on the unit.

DCP
Ⓐ Ⓑ

2. Press the left side Ⓒ of the DCP carefully to fit it in place.

Ⓒ
DCP
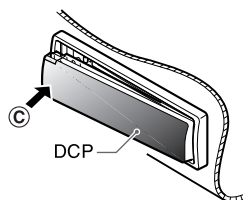
⚠CAUTION

- **The DCP can easily be damaged by shocks. After removing it, be careful not to drop it or subject it to strong shocks.**
- **If the [RELEASE] button is pressed and the DCP is not locked into place, it may fall out from vibration of the car. This can break the DCP, so after removing it, either install it on the unit or put it in its DCP case.**
- **The connector connecting the unit and the DCP is an extremely important part. Be careful not to damage it by pressing on it with fingernails, screwdrivers, etc.**

Note:
- *If the DCP is dirty, wipe off the dirt with a soft, dry cloth only.*

6. REMOTE CONTROL

Signal transmitter

[SRC]

[BND]

[▶II]

[▲], [▼]

[◀◀], [▶▶]

[MUTE]

[DISP]

[ISR]

[RDM]

[SCN]

[RPT]

clarion
• WIRELESS REMOTE CONTROLLER •
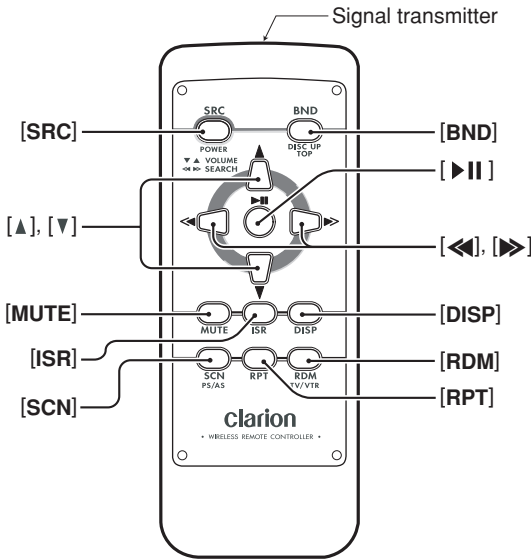
Inserting the Battery

① Turn over the remote control unit and slide the cover in the direction indicated by the arrow in the illustration.

② Insert the battery (CR2025) into the insertion guides, with the printed side (+) facing upwards.

③ Press the battery in the direction indicated by the arrow so that it slides into the compartment.

④ Replace the cover and slide in until it clicks into place.
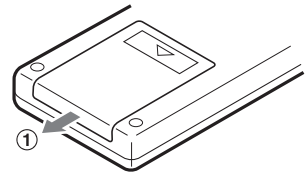
Notes:

Misuse may result in rupture of the battery, producing leakage of fluid and resulting in personal injury or damage to surrounding materials. Always follow these safety precautions:

• *Use only the designated battery .*

• *When replacing the battery, insert properly, with +/– polarities oriented correctly.*

• *Do not subject battery to heat, or dispose of in fire or water. Do not attempt to disassemble the battery.*

• *Dispose of used batteries properly.*

①

Insertion guide

② CR2025 ③
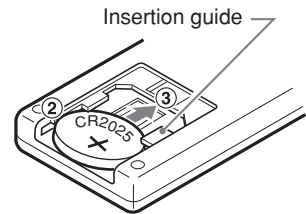
Functions of Remote Control Unit Buttons

Mode / Button	Radio/SIRIUS	CD/MP3/WMA	CD changer DVD changer	TV
[**SRC**]	Switches among radio, SIRIUS tuner, CD/MP3/WMA, CD changer, DVD changer, TV and AUX.			
[**BND**]	Switches reception band.	Plays the first track. Top play.	Moves the next disc in increasing order.	Switches reception band.
[▲] , [▼]	Increases and decreases volume (in all modes).			
[◄◄] , [►►]	Moves preset channels up and down.	Moves tracks up and down. When pressed and held for 1 second: Fast-forward/fast-backward.		Moves preset channels up and down.
[►❙❙]	No function.	Switches between playback and pause.		No function.
[**MUTE**]	Turns mute on and off.			
[**ISR**]	Recalls ISR radio station in memory. Press and hold for 2 seconds or longer: Stores current station into ISR memory (radio mode only).			
[**DISP**]	Switches among main display, sub display and title display.			
[**SCN**]	Preset scan. When pressed and held for 2 seconds: Auto store.	Scan play. Press and hold the button for 1 second or longer to perform folder scan play while in the MP3/WMA mode.	Scan play. When pressed and held for 1 second: Disc scan play.	Preset scan. When pressed and held for 2 seconds: Auto store.
[**RPT**]	No function.	Repeat play. Press and hold the button for 1 second or longer to perform folder Repeat play while in the MP3/WMA mode.	Repeat play. When pressed and held for 1 second: Disc repeat play.	No function.
[**RDM**]	No function.	Random play. Press and hold the button for 1 second or longer to perform folder Random play while in the MP3/WMA mode.	Random play. When pressed and held for 1 second: Disc random play.	Switches between TV and VTR.

∗ Some of the corresponding buttons on the main unit and remote control unit have different functions.

7. OPERATIONS

Basic Operations

Note: Be sure to read this chapter referring to the front diagrams of chapter "**3. CONTROLS**" on page 5 (unfold).

⚠CAUTION

Be sure to lower the volume before switching off the unit power or the ignition key. The unit remembers its last volume setting. If you switch the power off with the volume up, when you switch the power back on, the sudden loud volume may hurt your hearing and damage the unit.

Turning on/off the power
Note:
• *Be careful about using this unit for a long time without running the engine. If you drain the car's battery too far, you may not be able to start the engine and this can reduce the service life of the battery.*

1. Press the [**SRC**] button.
2. The illumination and display on the unit light up. The unit automatically remembers its last operation mode and will automatically switch to display that mode.
3. Press and hold the [**SRC**] button for 1 second or longer to turn off the power for the unit.

Note:
• *System check*
  The first time this unit is turned on after the wire connections are completed, it must be checked what equipment is connected. When the power is turned on, the "SYSTEM CHECK" appears in the display, then the unit returns to the clock display mode. The system check starts within the unit. When the system check is complete, press the [SRC] button again.

Selecting a mode
1. Press the [**SRC**] button to change the operation mode.
2. Each time you press the [**SRC**] button, the operation mode changes in the following order:

   Radio mode ➜ SIRIUS mode ➜ CD/MP3/ WMA mode ➜ CD changer mode ➜ DVD changer mode ➜ TV mode ➜ AUX mode ➜ Radio mode...

   ∗ External equipment not connected with CeNET is not displayed.

Adjusting the volume
1. Press the front part of the [**ROTARY**] knob. The knob will pop up.
2. Turning the [**ROTARY**] knob clockwise increases the volume; turning it counterclockwise decreases the volume.

∗ The volume level is from 0 (minimum) to 33 (maximum).

Switching the display
Press the [**D**] button to select the desired display.

Each time you press the [**D**] button, the display switches in the following order:

• *Main display*

Level bar display

⬇

• *Sub display*

Spectrum analyzer display

⬇

•*Title display*
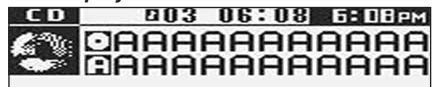
∗ In the case of a user title, only the top level is displayed.

∗ In the case of radio/TV/AUX/DVD changer, the display cannot be switched to "title display."

∗ Once selected, the preferred display becomes the display default. When a function adjustment such as volume is made, the screen will momentarily switch to that function's display, then revert back to the preferred display several seconds after the adjustment.

∗ If the button operation is performed with the screen saver function on, the operation display corresponding to the button operation is shown for about 30 seconds and the display returns to the screen saver display.

For details, refer to the subsection "**Turning the screen saver function on or off**" in section "**Operations Common to Each Mode.**"

Setting the Z-Enhancer Plus

This unit are provided with 4 types of sound tone effects stored in memory. Select the one you prefer.

∗ The factory default setting is "**Z+ OFF**".

Each time you press the [**Z+**] button, the tone effect changes in the following order:

"**Z+ OFF**" ➜ "**Z+ BASS BOOST**" ➜ "**Z+ IMPACT**" ➜ "**Z+ EXCITE**" ➜ "**Z+ CUSTOM**" ➜ "**Z+ OFF**" ...

- Z+ BASS BOOST : bass emphasized
- Z+ IMPACT   : bass and treble emphasized
- Z+ EXCITE   : bass and treble emphasized mid de-emphasized
- Z+ CUSTOM   : user custom
- Z+ OFF   : no sound effect

Adjusting the Z-Enhancer Plus

1. Press the [**Z+**] button and select the Z-Enhancer Plus mode to adjust.
2. Press the [**A-M**] button and turning the [**ROTARY**] knob clockwise adjusts in the + direction; turning it counterclockwise adjusts in the – direction.

   ● When "**BASS BOOST 0**" selected, you can adjust the bass in the range of –3 to 3.

   ● When "**IMPACT 0**" selected, you can adjust the bass and treble in the range of –3 to 3.

   ● When "**EXCITE 0**" selected, you can adjust the bass and treble in the range of –3 to 3.

   ∗ When Z-Enhancer Plus is selected, press and hold the [**Z+**] button for 1 second or longer to change to the "**CUSTOM**" mode.

   Bass/treble characteristics become flat and the "**Z+ FLAT**" is shown in the display.

   Press the [**Z+**] button again to change to the "**Z+ OFF**" mode.

Adjusting the tone

Press the [**A-M**] button and select the item to adjust. Each time you press the [**A-M**] button, the item changes as following order:

● **When "Z+ BASS BOOST" is set**

"SUB-WOOF VOL 0" ➜ "BASS BOOST 0" ➜ "BALANCE 0" ➜ "FADER 0" ➜ Last function mode.

● **When "Z+ IMPACT" is set**

"SUB-WOOF VOL 0" ➜ "IMPACT 0" ➜ "BALANCE 0" ➜ "FADER 0" ➜ Last function mode.

● **When "Z+ EXCITE" is set**

"SUB-WOOF VOL 0" ➜ "EXCITE 0" ➜ "BALANCE 0" ➜ "FADER 0" ➜ Last function mode.

● **When "Z+ CUSTOM" is set**

"SUB-WOOF VOL 0" ➜ "⬍ BASS GAIN 0" ➜ "⬍ TREBLE GAIN 0" ➜ "BALANCE 0" ➜ "FADER 0" ➜ Last function mode.

● **When "Z+ OFF" is set**

"SUB-WOOF VOL 0" ➜ "BALANCE 0" ➜ "FADER 0" ➜ "Last function mode.

∗ "**SUB-WOOF VOL**" can be adjusted only when "**SUB-WOOFER**" is set to "**ON**".

Adjusting the subwoofer output volume

You can adjust the volume output from the unit's subwoofer output terminal.

1. Press the [**A-M**] button and select "**SUB-WOOF VOL 0**".
2. Turning the [**ROTARY**] knob clockwise increases the output volume; turning it counterclockwise decreases the output volume.

   ∗ The factory default setting is "**0**". (Setting range: –6 to 6)

3. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Adjusting the bass

The bass gain, bass FREQ (center frequency) and bass Q can be adjusted as follows.

1. Press the [**A-M**] button and select "◆ **BASS GAIN 0**".

2. Press the [◀◀, ▶▶] lever upward or downward and select from

   "◆ **BASS GAIN 0**" ➜ "◆ **BASS FREQ 50**" ➜ "◆ **BASS Q 1**" ➜ "◆ **BASS GAIN 0**"…

3. Turn the [**ROTARY**] knob to adjust the gain, the FREQ (center frequency) and the Q.

   BASS GAIN : –6 to 8 (The factory default setting is "**0**")

   BASS FREQ : 50Hz/80Hz/120Hz (The factory default setting is "**50**")

   BASS Q : 1/1.25/1.5/2 (The factory default setting is "**1**")

4. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Adjusting the treble

The treble gain and treble FREQ (center frequency) can be adjusted as follows.

1. Press the [**A-M**] button and select "◆ **TREBLE GAIN 0**".

2. Press the [◀◀, ▶▶] lever upward or downward and select from

   "◆ **TREBLE GAIN 0**" ➜ "◆ **TREBLE FREQ 12K**" ➜ "◆ **TREBLE GAIN 0**"…

3. Turn the [**ROTARY**] knob to adjust the gain and the FREQ (center frequency).

   TREBLE GAIN : –6 to 6 (The factory default setting is "**0**")

   TREBLE FREQ : 8KHz/12KHz (The factory default setting is "**12K**")

4. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Adjusting the balance

1. Press the [**A-M**] button and select "**BALANCE 0**".

2. Turning the [**ROTARY**] knob clockwise emphasizes the sound from the right speaker; turning it counterclockwise emphasizes the sound from the left speaker.

   * The factory default setting is "**0**". (Adjustment range: L13 to R13)

3. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Adjusting the fader

1. Press the [**A-M**] button and select "**FADER 0**".

2. Turning the [**ROTARY**] knob clockwise emphasizes the sound from the front speakers; turning it counterclockwise emphasizes the sound from the rear speakers.

   * The factory default setting is "**0**". (Adjustment range: F12 to R12)

3. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Adjusting MAGNA BASS EXTEND

The MAGNA BASS EXTEND does not adjust the low sound area like the normal sound adjustment function, but emphasizes the deep bass sound area to provide you with a dynamic sound.

   * The factory default setting is off.

1. Press and hold the [**A-M**] button for 1 second or longer to turn on the MAGNA BASS EXTEND effect. "**M-BASS EX ON**" lights in the display.

2. Press and hold the [**A-M**] button for 1 second or longer to turn off the MAGNA BASS EXTEND effect. "**M-BASS EX OFF**" lights in the display.

Radio Operations

Listening to the radio

1. Press the [**SRC**] button and select the radio mode. The frequency appears in the display.
2. Press the [**BND**] button and select the radio band. Each time the button is pressed, the radio reception band changes in the following order:

   FM1 ➜ FM2 ➜ FM3 ➜ AM1 ➜ FM1...

3. Press the [◀◀, ▶▶] lever upward or downward to tune in the desired station.

Tuning

There are 3 types of tuning mode available, seek tuning, manual tuning and preset tuning.

Seek tuning

1. Press the [**BND**] button and select the desired band (FM or AM).

   * If "**MANU**" is lit in the display, press and hold the [**BND**] button for 1 second or longer. "**MANU**" in the display goes off and seek tuning is now available.

2. Press the [◀◀, ▶▶] lever upward or downward to start automatic station tuning.

   When the lever is pressed upward, search will be performing in the direction of higher frequencies. When the lever is pressed downward, search will be performed in the direction of lower frequencies.

Manual tuning

There are 2 ways available: Quick tuning and step tuning.

When you are in the step tuning mode, the frequency changes one step at a time. In the quick tuning mode, you can quickly tune the desired frequency.

1. Press the [**BND**] button and select the desired band (FM or AM).

   * If "**MANU**" is not lit in the display, press and hold the [**BND**] button for 1 second or longer. "**MANU**" is lit in the display and manual tuning is now available.

2. Tune into a station.

● **Quick tuning:**

   Press the [◀◀, ▶▶] lever upward or downward and hold in position for 1 second or longer to begin station tuning.

● **Step tuning:**

   Press the [◀◀, ▶▶] lever upward or downward to perform manual tuning.

Recalling a preset station

A total of 24 preset positions (6-FM1, 6-FM2, 6-FM3, 6-AM) exists to store individual radio stations in memory. Pressing the corresponding [**DIRECT**] button recalls the stored radio frequency automatically.

1. Press the [**BND**] button and select the desired band (FM or AM).
2. Press the corresponding [**DIRECT**] button to recall the stored station.

   * Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store that station into preset memory.

Manual memory

1. Select the desired station with seek tuning, manual tuning or preset tuning.
2. Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the current station into preset memory.

Auto store

Auto store is a function for storing up to 6 stations that are automatically tuned in sequentially. If 6 receivable stations cannot be received, a previously stored station remains unoverwritten at the memory position.

1. Press the [**BND**] button and select the desired band (FM or AM).
2. Press and hold the [▶II] button for 2 seconds or longer. The stations with good reception are stored automatically to the preset channels.

   * If auto store is performed in the FM bands, the stations are stored in FM3 even if FM1 or FM2 was chosen for storing stations.

Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Press the [▶II] button.
2. When a desired station is tuned in, press the [▶II] button again to continue receiving that station.

Note:
• *Be careful not to press and hold the [▶II] button for 2 seconds or longer, otherwise the auto store function is engaged and the unit starts storing stations.*

Radio Operations

Instant station recall (ISR)
Instant station recall is a special radio preset that instantly accesses a favorite radio station at a touch of a button. The ISR function even operates with the unit in other modes.

●ISR memory
1. Select the station that you wish to store in ISR memory.
2. Press and hold the [**ISR**] button for 2 seconds or longer.

●Recalling a station with ISR
In any mode, press the [**ISR**] button to turn on the radio function and tune the selected radio station. "**ISR**" appears in the display. Press the [**ISR**] button again to return to the previous mode.

CD/MP3/WMA Operations

MP3/WMA

What is MP3?
MP3 is an audio compression method and classified into audio layer 3 of MPEG standards. This audio compression method has penetrated into PC users and become a standard format.

This MP3 features the original audio data compression to about 10 percent of its initial size with a high sound quality. This means that about 10 music CDs can be recorded on a CD-R disc or CD-RW disc to allow a long listening time without having to change CDs.

What is WMA?
WMA is the abbreviation of Windows Media Audio, an audio file format developed by Microsoft Corporation.

Notes:
• If you play a file with DRM (Digital Rights Management) for WMA remaining ON, no audio is output (The WMA indicator blinks).
• Windows Media™, and the Windows ® logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

●To disable DRM (Digital Rights Management):
1. When using Windows Media Player 8, click on TOOLS ➔ OPTIONS ➔ COPY MUSIC tab, then under COPY SETTINGS, unclick the check box for PROTECT CONTENT. Then, reconstruct files.
2. When using Windows Media Player 9, click on TOOL ➔ OPTIONS ➔ MUSIC RECORD tab, then under Recording settings, unclick the Check box for RECORD PROTECTED MUSIC. Then, reconstruct files.

   Personally constructed WMA files are used at your own responsibility.

Precautions when creating MP3/WMA disc
● Usable sampling rates and bit rates:
1. MP3: Sampling rate 11.025 kHz-48 kHz, Bit rate: 8 kbps-320 kbps / VBR
2. WMA: Bit rate 48 kbps-192 kbps

● File extensions
1. Always add a file extension "**.MP3**" or "**.WMA**" to MP3 or WMA file by using single byte letters. If you add a file extension other than specified or forget to add the file extension , the file cannot be played.

2. Files without MP3/WMA data will not play. The indication "−−:−−" appears in the play time display if you attempt to play files without MP3/WMA data.

● **Logical format (File system)**

1. When writing MP3/WMA file on a CD-R disc or CD-RW disc, please select "ISO9660 level 1, 2 or JOLIET or Romeo" as the writing software format. Normal play may not be possible if the disc is recorded on another format.

2. The folder name and file name can be displayed as the title during MP3/WMA play but the title must be within 128 single byte alphabetical letters and numerals (including an extension).

3. Do not affix a name to a file inside a folder having the same name.

● **Folder structure**

1. A disc with a folder having more than 8 hierarchical levels will be impossible.

● **Number of files or folders**

1. Up to 255 files can be recognized per folder. Up to 500 files can be played.

2. Tracks are played in the order that they were recorded onto a disc. (Tracks might not always be played in the order displayed on the PC.)

3. Some noise may occur depending on the type of encoder software used while recording.

Multisession function

When a disc contains both normal CD type tracks and MP3/WMA type tracks mixedly, you can select which type of the recorded tracks to play.

● **Default value is "CD".**

Each time you press and hold the [**BND**] button for 1 second or longer, the mixed mode is switched between CD type or MP3/WMA type. The following indication appears in the title display when switching the track type to be played.

● **Display when CD type track is selected:** `M-SESS  CD`

● **Display when MP3/WMA type track is selected:** `M-SESS MP3`

1. Types of recording that can be played are as follows.

Disc \ Setting	Set to CD	Set to MP3/WMA
Mixed with CD and MP3/WMA type tracks	Play CD	Play MP3/WMA
CD type track only	Play CD	Play CD
MP3/WMA type track only	Play MP3/WMA	Play MP3/WMA

2. After making these settings, remove the disc and then reinsert it.

3. When a mixed mode CD is loaded and CD is set, the track to be played first is MP3/WMA file data and no sound is heard.

Note:

• *When playing a CCCD (Copy Control CD), set the setting to CD type. When this is set to MP3/WWA type, the CD cannot be played normally in some cases.*

Disc-In-Play function

As long as the ignition key is turned to the ON or ACC position, this function allows you to turn the power to the unit and start playing the disc automatically when the disc is inserted even if the power is not turned on.

⚠ CAUTION

• **Do not try to put your hand or fingers in the disc insertion slot. Also never insert foreign objects into the slot.**

• **Do not insert discs where adhesive comes out from cellophane tape or a rental CD label, or discs with marks where cellophane tape or rental CD labels were removed. It may be impossible to extract these discs from the unit and they may cause the unit to break down.**

Backup Eject function

Just pressing the [⏏] button ejects the disc even if the power to the unit was not turned on.

1. Press the [⏏] button. The MOTORIZED FACE opens and a CD ejects. "**EJECT**" appears in the display.

⚠ CAUTION

Be careful not to get your fingers caught when opening and closing the MOTORIZED FACE.

2. Remove the CD and press the [⏏] button to close the MOTORIZED FACE.

English

Notes:
- Be sure to close the MOTORIZED FACE after removing the CD.
- The MOTORIZED FACE closes automatically 30 seconds after removing the CD.
- If a CD (12 cm) is left in the ejected position for 15 seconds, the CD is automatically reloaded. (Auto reload)
- 8 cm CDs are not auto reloaded. Be sure to remove it when ejected.
- If you force a CD into before auto reloading, this can damage the CD.

Listening to a disc already loaded in the unit

Press the [**SRC**] button to select the CD/MP3/WMA mode.

When the unit enters the CD/MP3/WMA mode, play starts automatically.

If there is no disc loaded, the indication "**NO DISC**" appears in the title display.

∗ The mode changes each time the [**SRC**] button is pressed. (Modes are not displayed for equipment that is not connected.)

Radio ➜ (SIRIUS) ➜ CD/MP3/WMA ➜ (CD changer) ➜ (DVD changer) ➜ (TV) ➜ AUX ➜ Radio...

Loading a CD
1. Press the [▲] button. The MOTORIZED FACE opens.

⚠CAUTION

Be careful not to get your fingers caught when opening and closing the MOTORIZED FACE.

2. Insert a CD into the center of the CD SLOT with the labeled side facing up. The CD plays automatically after loading.

Notes:
- Never insert foreign objects into the CD SLOT.
- If the CD is not inserted easily, there may be another CD in the mechanism or the unit may require service.
- Discs not bearing the ⓓⓘⓢⓒ or ⓓⓘⓢⓒ mark and CD-ROMs cannot be played by this unit.
- Some CDs recorded in CD-R/CD-RW mode may not be usable.

Loading 8 cm compact discs
∗ No adapter is required to play an 8 cm CD.
∗ Insert the 8 cm CD into the center of the CD SLOT.
3. After loading a CD, the MOTORIZED FACE closes automatically.

Notes:
- Note that MOTORIZED FACE closes immediately after a CD is inserted into CD SLOT.
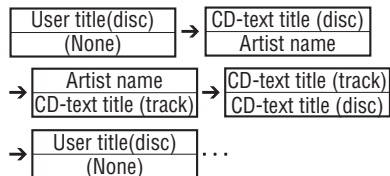- If no CD is loaded in the MOTORIZED FACE, it closes after 30 seconds.

Pausing play
1. Press the [▶II] button to pause play. "**PAUSE**" appears in the display.
2. To resume CD play, press the [▶II] button again.
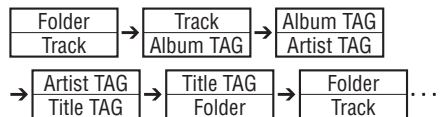
Displaying CD titles
This unit can display title data for CD-text/MP3/WMA disc and user titles input with this unit.
1. Press the [**D**] button to display the title.
2. Each time you press the [**T**] button, the title display changes in the following order:

●**CD-TEXT disc**

```
User title(disc)  →  CD-text title (disc)
   (None)              Artist name

→  Artist name      →  CD-text title (track)
   CD-text title (track)  CD-text title (disc)

→  User title(disc)  . . .
      (None)
```

● **MP3/WMA disc**

```
Folder  →  Track       →  Album TAG
Track      Album TAG       Artist TAG

→  Artist TAG  →  Title TAG  →  Folder  . . .
   Title TAG      Folder        Track
```

Notes:
- If the CD playing is not a CD-text CD or no user title has been input, "🆄 NO TITLE" appears in the display.
- If MP3/WMA disc is not input TAG, "♪ NO TITLE" appears in the display.
- For MP3, supports ID3 Tags V2.3 / 2.2 / 1.1 / 1.0.
- Tag displays give priority to V2.3 / 2.2.
- In the case of album Tags for WMA, the information written into the extension header is displayed.
- Only ASCII characters can be displayed in Tags.

Selecting a track

● **Track-up**

1. Press the [◀◀, ▶▶] lever upward to move to the beginning of the next track.

2. Each time the [◀◀, ▶▶] lever is pressed upward, playback proceeds to another track in the advancing direction.

● **Track-down**

1. Press the [◀◀, ▶▶] lever downward to move the beginning of the current track.

2. Press the [◀◀, ▶▶] lever downward twice to move to the beginning of the previous track.

Fast-forward/fast-backward

● **Fast-forward**

Press the [◀◀, ▶▶] lever upward and hold in position for 1 second or longer.

● **Fast-backward**

Press the [◀◀, ▶▶] lever downward and hold in position for 1 second or longer.

∗ For MP3/WMA discs, it takes some time until the start of searching and between tracks. In addition, the playing time may have a margin of error.

Folder Select

This function allows you to select a folder containing MP3/WMA files and start playing from the first track in the folder.

1. Press the [**DN**] or the [**UP**] button.

   Press the [**DN**] button to move the previous folder. Press the [**UP**] button to move the next folder.

Root folder
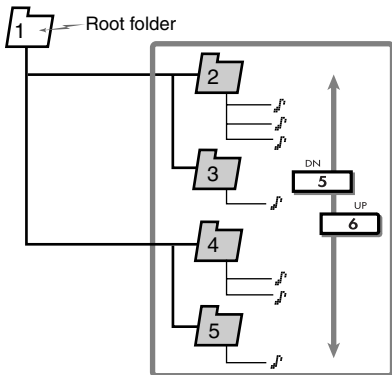
∗ Press the [**UP**] button while in the final folder to shift to the first folder.

∗ Folder without an MP3/WMA file is not selectable.

2. To select a track, press the [◀◀, ▶▶] lever upward or downward.

Top function

The top function resets the CD player to the first track of the disc. Press the [**BND**] button to play the first track (track No. 1) on the disc.

∗ In case of MP3/WMA, the first track of a folder being played will be returned.

Other various play functions

● **Scan play**

This function allows you to locate and play the first 10 seconds of all the tracks recorded on a disc.

1. Press the [**SCN**] button to perform scan play.

   "♪ **SCN**" appears in the display.

   ∗ Scan play starts from the next track after the track currently being played.

● **Folder scan play**

This function allows you to locate and play the first 10 seconds of the first track of all the folders on an MP3/WMA disc.

1. Press and hold the [**SCN**] button for 1 second or longer to perform folder scan play.

   "▦ **SCN**" appears in the display.

   ∗ Folder scan play starts from the next track after the track currently being played.

● **Repeat play**

This function allows you to play the current track repeatedly.

1. Press the [**RPT**] button to perform repeat play.

   "♪ **RPT**" appears in the display.

● **Folder repeat play**

This function allows you to play a track currently being played in the MP3/WMA folder repeatedly.

1. Press and hold the [**RPT**] button for 1 second or longer to perform folder repeat play.

   "▦ **RPT**" appears in the display.

● **Random play**

This function allows you to play all tracks recorded on a disc in a random order.

1. Press the [**RDM**] button to perform random play.

   "♪ **RDM**" appears in the display.

● **Folder random play**

This function allows you to play all the tracks of all the folders recorded on an MP3/WMA disc in a random order.

CD/MP3/WMA Operations

1. Press and hold the [**RDM**] button for 1 second or longer to perform folder random play.

   "■ **RDM**" appears in the display.

● **To cancel play**
1. Press the operating button previously selected.

Play list mode

This function allows you to play tracks, up to latest 5 time stamps, by reading the play list information written on the disc.

1. Press and hold the [**P.LIST**] button for 1 second or longer to turn on or off the play list mode.

   ∗ Play list play is possible only when there is a file whose extension is "**.M3U**" on the CD-R/RW.

   ∗ Up to 5 play lists can be recognized, and up to 255 files can be recognized per play list.

2. Press the [◀◀, ▶▶] lever upward or downward to change the track.

3. Press the [**DN**] button to move to the previous play list.

   Press the [**UP**] button to move to the next play list.

Notes:
· *The SCN/RPT/RDM functions cannot be used while in the play list mode.*
· *The title display changes from folder name to play list name.*

Making a play list

1. Write desired tracks to a CD-R/RW, etc. Be sure to use alphanumeric/ASCII characters for all file names.

2. Make a play list by using a multimedia player, etc. and save the data. The file format must be M3U.

3. Again, write this play list to the CD-R/RW, etc.

Notes:
· *When writing to a CD-R/RW, etc., be sure to use alphanumeric/ASCII characters.*
· *Up to 5 layers can be recognized as a list. For written play lists, latest 5 lists are recognized in the order in which they are written.*
· *When writing to a CD-R/RW, etc., turn off the Disc At Once function.*
· *When adding a play list, it is recommended to write it in the Root folder.*

20 DXZ655MP

Operations Common to Each Mode

To change display setting

1. Press and hold the [**D**] button for 1 second or longer to switch to the adjustment selection display.

2. Press the [◀◀, ▶▶] lever upward or downward to select the "**item name**".

   "**CLOCK**" ↔ "**SPE/ANA PTN**" ↔ "**S/A SENS**" ↔ "**S/A SPEED**" ↔ "**SCREEN SVR**" ↔ "**MSG INPUT**" ↔ "**AUTO SCROLL**" ↔ "**SCRL SPEED**" ↔ "**DIMMER LV**" ↔ "**CONTRAST**"

3. Turn the [**ROTARY**] knob to select the "**desired setting value**".

   ∗ In the case of item names appearing with the "**Push ENT**" suffix, after the item name, the [▶͏ɪɪ] button must be pressed to display the setting value.

   ∗ After completing settings, press the [**D**] button to return to the previous mode.

● **Setting the clock**
2-1. Select "◆ **CLOCK** Push ENT ".

3-1. Press the [▶͏ɪɪ] button.

3-2. Press the [◀◀, ▶▶] lever upward or downward to select the hour or the minute.

3-3. Turn the [**ROTARY**] knob to set the correct time.

   ∗ The clock is displayed in 12-hour format.

3-4. Press the [▶͏ɪɪ] button to store the time into memory.

Note:
· *You cannot set the clock when it is displayed with only the ignition on. If you drain or remove the car's battery or take out this unit, the clock is reset. While setting the clock, if another button or operation is selected, the clock set mode is canceled.*

● **Setting the spectrum analyzer pattern**
∗ The factory default setting is "**1**"

2-1. Select "◆ **SPE/ANA PTN**".

· **When the Main display or Title display is set**

3-1. Turn the [**ROTARY**] knob to select the setting.

   Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

   "◆ **SPE/ANA PTN 1**" ➜ "◆ **SPE/ANA PTN 2**" ➜ "◆ **SPE/ANA PTN 3**" ➜ "◆ **SPE/ANA PTN 4**" ➜ "◆ **SPE/ANA PTN SRC ICON**"

· **When the Sub display is set**

3-2. Turn the [**ROTARY**] knob to select the setting.

Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

"⬦ SPE/ANA PTN 1" ➔ "⬦ SPE/ANA PTN 2" ➔ "⬦ SPE/ANA PTN 3" ➔ "⬦ SPE/ANA PTN 4"

● **Setting the sensitivity of the spectrum analyzer**

This function allows you to adjust the sensitivity of the spectrum analyzer.

∗ The factory default setting is "**MID**"

2-1. Select "⬦ S/A SENS".

3-1. Turn the [**ROTARY**] knob to select the setting.

Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

"⬦ S/A SENS HIGH" ➔ "⬦ S/A SENS MID" ➔ "⬦ S/A SENS LOW"

● **Setting the speed of the spectrum analyzer**

This function allows you to adjust the speed of the spectrum analyzer.

∗ The factory default setting is "**HIGH**"

2-1. Select "⬦ S/A SPEED".

3-1. Turn the [**ROTARY**] knob to select the setting.

Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

"⬦ S/A SPEED HIGH" ➔ "⬦ S/A SPEED MID" ➔ "⬦ S/A SPEED LOW"

● **Turning the screen saver function on or off**

This unit is provided with the screen saver function which allows you to show various kinds of patterns and characters in the operation status indication area of the display in a random order. You can turn on or off this function.

If the button operation is performed with the screen saver function on, the operation display corresponding to the button operation is shown for about 30 seconds and the display returns to the screen saver display.

∗ The factory default setting is "**RANDOM**".

2-1. Select "⬦ SCREEN SVR Push ENT".

3-1. Press the [▶❙❙] button.

3-2. Turn the [**ROTARY**] knob to select the setting. Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

"⬦ Pattern OFF" ➔ "⬦ Pattern SS1" ➔ "⬦ Pattern SS2" ➔ "⬦ Pattern SS3" ➔ "⬦ Pattern MESSAGE" ➔ "⬦ Pattern RANDOM"

● **Entering MESSAGE INFORMATION**

Message up to 30 characters long can be stored in memory and displayed as a type of screen saver setting.

∗ The factory default setting is "**Welcome to Clarion**".

2-1. Select "⬦ MSG INPUT Push ENT".

3-1. Press the [▶❙❙] button.

3-2. Press and hold the [**BND**] button for 1 second or longer to clear the old message.

3-3. Press the [◀◀, ▶▶] lever upward or downward to move the cursor.

3-4. Press the [**BND**] button to select a character. Each time you press the [**BND**] button, the character changes in the following orders:

Capital letters ➔ Small letters ➔ Numbers/Symbols ➔ Umlaut ➔ Capital letters…

3-5. Turn the [**ROTARY**] knob to select the desired character.

3-6. Repeat step 3-3 to 3-5 to enter up to 30 characters for message.

3-7. Press and hold the [▶❙❙] button for 2 seconds or longer to store the message in memory and cancel input message mode.

∗ Press and hold the [**BND**] button for 1second or longer to cancel the input message. Then press and hold the [▶❙❙] button for 2 seconds or longer to store the message and the message return to default setting.

● **Setting the method for title scroll**

Set how to scroll in CD-TEXT, MP3/WMA title.

∗ The factory default setting is "**ON**".

2-1. Select "⬦ AUTO SCROLL".

3-1. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

• **ON:**

To scroll automatically.

• **OFF:**

To scroll just 1 time when the title was changed or the [**T**] button was pressed for 1 second or longer.

● **Adjusting the display scroll speed**

This feature allows you to slow down the scroll speed when the scroll speed is too fast, making it difficult to view the screen.

∗ The factory default setting is "**SPEED 3**"

2-1. Select "⬦ SCRL SPEED".

3-1. Turn the [**ROTARY**] knob to select the setting.

Operations Common to Each Mode

∗ This setting item can be adjusted within the range SPEED 1 to SPEED 6.

Adjust this setting item while viewing how the appearance of the display changes.

● **Dimmer level**

You can adjust the reduced illumination level of the dimmer.

∗ The factory default setting is "**LV3**". (Adjustment range is LV1 to LV5)

2-1. Select "✦ **DIMMER LV**".

3-1. Turn the [**ROTARY**] knob to adjust the reduced illumination level of the dimmer.

● **LV1** to **LV5:**

The dimmer operation is performed depending on the set level LV1 to LV5.

● **OFF:**

No dimmer operation is performed.

● **Adjusting the display contrast**

You can adjust the display contrast to match the angle of installation of the unit.

∗ The factory default setting is "**08**". (Adjustment level: 01 to 16)

2-1. Select "✦ **CONTRAST"**.

3-1. Turn the [**ROTARY**] knob to adjust the contrast.

To change other settings

1. Press the [**ADJ**] button to switch to the adjustment selection display.

2. Press the [◀◀, ▶▶] lever upward or downward to select the "**item name**".

Each time the [◀◀, ▶▶] lever is pressed up/down, the item display changes in the following order:

"BLINK LED" ↔ **"SUB-W"** ↔ **"SUB-W LPF"** ↔ **"AMP CANCEL"** ↔ **"AUX SENS"** ↔ **"SYSTEM CHECK"**

3. Turn the [**ROTARY**] knob to select the "**desired setting item**".

∗ After completing settings, press the [**ADJ**] button to return to the previous mode.

● **Anti-theft indicator**

The red Anti-theft indicator is a function for preventing theft. When the DCP is removed from the unit, this indicator blinks.

∗ The factory default setting is "**OFF**".

2-1. Select "✦ **BLINK LED**".

3-1. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

● **Setting the Subwoofer**

You can set the subwoofer on or off.

∗ The factory default setting is "**ON**".

2-1. Select "✦ **SUB-W**".

3-1. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

● **Setting LOW PASS FILTER**

∗ The factory default setting is "**THROUGH**".

∗ If subwoofer function is set "**ON**", "**LOW PASS FILTER**" can be selected.

2-1. Select "✦ **SUB-W LPF**".

3-1. Turn the [**ROTARY**] knob to select the setting. Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

THROUGH ➜ 50 ➜ 80 ➜ 120

● **Setting the external amplifier**

∗ The factory default setting is "**OFF**".

2-1. Select "✦ **AMP CANCEL"**.

3-1. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

• **ON:**

Use with connected AMP.

• **OFF:**

Use with inside AMP.

● **Selecting AUX IN sensitivity**

Make the following settings to select the sensitivity when sounds from external devices connected to this unit are difficult to hear even after adjusting the volume.

∗ The factory default setting is "**MID**".

2-1. Select "✦ **AUX SENS**".

3-1. Turn the [**ROTARY**] knob to select "**LOW**", "**MID**" or "**HIGH**".

● **Performing a system check**

This function allows you to perform a system check from the adjust mode when required.

2-1. Select "✦ **SYSTEM CHECK** Push ENT ".

3-1. Press and hold the [▶❚❚] button for 1 second or longer.

"**SYSTEM CHECK**" appears in the display, then the unit returns to the previous operation mode.

Entering titles

Titles up to 10 characters long can be stored in memory and displayed for CD, CD changer, Radio stations and TV stations. The number of titles that can be entered for each mode are as follows.

Mode	Number of titles
CD mode	50 titles
TV mode	20 titles
Radio mode	30 titles

CD changer mode	Number of titles
DCZ625 connected	100 titles
CDC655Tz connected	100 titles

1. Press the [**SRC**] button to select the mode you want to enter a title (Radio, CD, CD changer or TV).

2. Select and play a CD in the CD changer or tune in to a TV station or Radio for which you want to enter the title.

3. Press the [**D**] button and display the title display.

4. Press and hold the [**T**] button for 1 second or longer.
   The display switches to the title input display.

5. Press the [◀◀, ▶▶] lever upward or downward to move the cursor.

6. Press the [**BND**] button to select a character. Each time you press the [**BND**] button, the character changes in the following order:
   Capital letters ➜ Small letters ➜ Numbers/Symbols ➜ Umlaut ➜ Capital letters…

7. Turn the [**ROTARY**] knob to select the desired character.

8. Repeat steps 5 to 7 to enter up to 10 characters for the title.

9. Press and hold the [▶❙❙] button for 2 seconds or longer to store the title into memory and cancel title input mode.

Clearing titles

1. Select and play a CD in the CD changer or tune in to a TV station or TUNER for which you want to clear the title.

2. Press the [**D**] button and display the title display.

3. Press and hold the [**T**] button for 1 second or longer.
   The display switches to the title input display.

4. Press and hold the [**BND**] button for 1 second or longer.
   All characters in the title disappear.

5. Press and hold the [▶❙❙] button for 2 seconds or longer to clear the title and cancel title input mode.

Triggered audio mute for cellular telephones

This unit requires special wiring to mute the audio signal automatically when a cellular telephone rings in the car.

∗ This function is not compatible with all cellular telephones Contact your local authorized Clarion dealer for information on proper installation and compatibility.

AUX function

This system has an external input jack so you can listen to sounds and music from external devices connected to this unit.

Setting the button illumination

Press the [**C**] button to select a color type. Each time you press the [**C**] button, the type changes in the following orders:

COLOR SCAN ➜ Indigo Blue ➜ Surf Blue ➜ Silky White ➜ Aqua Green ➜ Fresh Green ➜ Leaf Green ➜ Warm Amber ➜ Passion Red ➜ Vivid Pink ➜ Pale Pink ➜ Dark Violet ➜ Pure Purple ➜ USER COLOR 1 ➜ USER COLOR 2 ➜ USER COLOR 3 ➜ COLOR SCAN ...

● **Setting COLOR SCAN mode**

As selecting "**COLOR SCAN**", the color automatically changes.

∗ The factory default setting is "**COLOR SCAN**".

∗ After 3 seconds the color changes to the other.

● **Setting USER mode**

The factory default setting is "**RED 8**", "**GREEN 8**", "**BLUE 8**".

As selecting "**USER COLOR 1, 2, 3**", press and hold the [**C**] button for 1 second or longer to enter the setting.

1. Press the [◀◀, ▶▶] lever upward or downward to select "◆ **RED 8**" ➜ "◆ **GREEN 8**" ➜ "◆ **BLUE 8**".

2. Turn the [**ROTARY**] knob to select from 0 to 8.

3. Press and hold the [▶❙❙] button for 2 seconds or longer to store the color in memory and cancel setting mode.

Operations Common to Each Mode

COLOR	R	G	B
Indigo Blue	0	0	8
Surf Blue	0	4	8
Silky White	8	8	7
Aqua Green	0	8	2
Fresh Green	0	8	0
Leaf Green	3	8	0
Warm Amber	8	3	0
Passion Red	8	0	0

COLOR	R	G	B
Vivid Pink	8	0	3
Pale Pink	8	2	3
Dark Violet	3	0	8
Pure Purple	6	0	8
USER COLOR 1	8	8	8
USER COLOR 2	8	8	8
USER COLOR 3	8	8	8

8. OPERATIONS OF ACCESSORIES

CD Changer Operations

Note:
• The following operations are the same as for CD
mode:
  ∗ **Pause**
  ∗ **Track selection**
  ∗ **Fast-forward/fast-backward**
  ∗ **Scan play**
  ∗ **Repeat play**
  ∗ **Random play**
  See "**CD/MP3/WMA Operations**" (page 18-19)
  for details.

CD changer functions
When an optional CD changer is connected
through the CeNET cable, this unit controls all
CD changer functions. This unit can control a
total of 2 changers.

Press the [**SRC**] button and select the CD
changer mode to start play. If 2 CD changers
are connected, press the [**SRC**] button to select
the CD changer for play.

∗ If "**NO MAGAZINE**" appears in the display, insert
the magazine into the CD changer. "**DISC CHECK**"
appears in the display while the player loads
(checks) the magazine.

∗ If "**NO DISC**" appears in the display, eject the
magazine and insert discs into each slot. Then,
reinsert the magazine back into the CD changer.

Note:
• Some CDs recorded in CD-R/CD-RW mode may
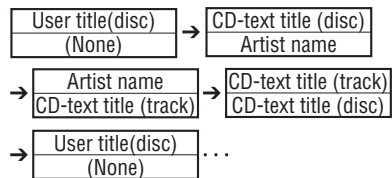not be usable.

⚠CAUTION

**CD-ROM discs cannot be played from every
CD changer, it's depended on the model.**

Displaying CD titles
This unit can display title data for CD-text CDs
and user titles input with this unit.

∗ Title data for CD-text CDs can be displayed with
this unit only when it is connected to CDC655Tz.

1. Press the [**D**] button to display the title.

2. Each time you press the [**T**] button, the title
display changes in the following order:

User title(disc)
(None)

→

CD-text title (disc)
Artist name

→

Artist name
CD-text title (track)

→

CD-text title (track)
CD-text title (disc)

→

User title(disc)
(None)

. . .

Notes:
• If the CD playing is not a CD-text CD or no user
title has been input, "🅤 **NO TITLE**" appears in
the display.
• If a CD-text CD is not input its disc title or a track
title, "🅓 **NO TITLE**" or "🅣 **NO TITLE**" appears in
the display.

CD Changer Operations

Procedure to scroll a title

Set "**AUO SCROLL**" to "**ON**" or "**OFF**".

(The factory default setting is "**ON**". Refer to the subsection "**Turning the screen saver function on or off**" in section "**Operation Common to Each Mode**".)

● **When set to "ON"**

The title is automatically kept scrolling.

● **When set to "OFF"**

To scroll just 1 time when the title was changed or the [**T**] button was pressed for 1 second or longer.

Selecting a CD

Press the [**UP**] or [**DN**] button to select the desired disc.

∗ If a CD is not loaded in a slot of magazine, pressing the [**UP**] or [**DN**] button can not work.

Other various play functions

● **Disc scan play**

Disc scan play locates and plays the first 10 seconds of the first track on each disc in the currently selected CD changer. This function continues automatically until it is cancelled.

∗ Disc scan play is useful when you want to select a desired CD.

1. Press and hold the [**SCN**] button for 1 second or longer. "**D.SCN**" appears in the display and disc scan play starts.

● **Disc repeat play**

After all the tracks on the current disc have been played, disc repeat play automatically replays the current disc over from the first track. This function continues automatically until it is cancelled.

1. Press and hold the [**RPT**] button for 1 second or longer. "**D.RPT**" appears in the display and disc repeat play starts.

● **Disc random play**

The disc random play selects and plays individual tracks or discs automatically in no particular order. This function continues automatically until it is cancelled.

1. Press and hold the [**RDM**] button for 1 second or longer. "**D.RDM**" appears in the display and disc random play starts.

● **To cancel play**

1. Press the operating button previously selected.

TV Operations

TV tuner functions

When an optional TV tuner is connected through the CeNET cable, this unit controls all TV tuner functions. To watch TV requires a TV tuner and monitor.

Watching a TV

1. Press the [**SRC**] button and select the TV mode.
2. Press the [**BND**] button to select the desired TV band (TV1 or TV2). Each time the button is pressed, the input selection toggles between TV1 and TV2.
3. Press the [◀◀, ▶▶] lever upward or downward to tune in the desired TV station.

Watching a video

The TV tuner has a VTR input terminal to which 1 external device can be connected. Connect a 12 V video cassette player (VCP) or video cassette recorder (VCR) to the TV tuner input terminal.

1. Press and hold the [**ADJ**] button for 1 second or longer to select VTR.
2. To return to the TV broadcast, press and hold the [**ADJ**] button for 1 second or longer.

Setting the TV diver

You can change the reception setting for the TV antenna connected to the TV tuner.

1. Press the [**ADJ**] button to switch to the adjustment selection display.
2. Press the [◀◀, ▶▶] lever upward or downward to select "✦ **TV DIVER**".
3. Turn the [**ROTARY**] knob clockwise to set to "**ON**" or counterclockwise to set to "**OFF**".
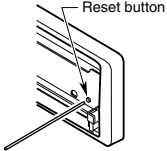
   ● **ON:**
   Sets the diver setting to ON.

   ● **OFF:**
   Sets the diver setting to OFF.

4. Press the [**ADJ**] button to return to the previous mode.

9. IN CASE OF DIFFICULTY

	Problem	Cause	Measure
General	Power does not turn on. (No sound is produced.)	Fuse is blown.	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
		Incorrect wiring.	Consult your store of purchase.
	No sound output when operating the unit with amplifiers or power antenna attached.	Power antenna lead is shorted to ground or excessive current is required for remote-on the amplifiers or power antenna.	1. Turn the unit off. 2. Remove all wires attached to the power antenna lead. Check each wire for a possible short to ground using an ohm meter. 3. Turn the unit back on. 4. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external relay to provide remote-on voltage (excessive current required).
	Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, then press the [**RELEASE**] button and remove the DCP. Press the reset button for about 2 seconds with a thin rod. — Reset button
		DCP or main unit connectors are dirty.	Wipe the dirt off with a soft cloth moistened with cleaning alcohol.
	No sound heard	The speaker protection circuit is operating.	1. Turn down sound volume. Function can also be restored by turning the power off and on again. (Speaker volume is reduced automatically when the speaker protection circuit operates). 2. If the sound is muted again, consult our service department.
CD/MP3/WMA	No sound heard	MP3/WMA files are absent in a disc.	Write MP3/WMA files onto the disc properly.
		Files are not recognized as an MP3/WMA file.	Use MP3/WMA files encoded properly.
		File system is not correct.	Use ISO9660 level 1, 2 or JOLIET or Romeo file system.
	Sound skips or is noisy.	Compact disc is dirty.	Clean the compact disc with a soft cloth.
		Compact disc is heavily scratched or warped.	Replace with a compact disc with no scratches.
	Sound is cut or skipped. Noise is generated or noise is mixed with sound.	MP3/WMA files are not encoded properly.	Use MP3/WMA files encoded properly.
	Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with the power on.
	Wrong filename	File system is not correct.	Use ISO9660 level 1, 2 or JOLIET or Romeo file system.
	Play list play is not performed.	File name or extension is not correct.	Use alphanumeric/ASCII characters for MP3/WMA file name. Use "**.M3U**" for the file extension of a play list.

10. ERROR DISPLAYS

If an error occurs, one of the following displays is displayed.

Take the measures described below to eliminate the problem.

	Error Display	Cause	Measure
CD/MP3/WMA	**ERROR 2**	A CD is caught inside the CD deck and is not ejected.	This is a failure of CD deck's mechanism and consult your store of purchase.
	ERROR 3	A CD cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped-disc.
	ERROR 6	A CD is loaded upside-down inside the CD deck and does not play.	Eject the disc then reload it properly.
CD changer	**ERROR 2**	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism and consult your store of purchase.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
DVD changer	**ERROR 2**	A DISC inside the DVD changer cannot be played.	This is a failure of DVD mechanism and consult your store of purchase.
	ERROR 3	A DISC cannot be played due to scratches, etc.	Retry or replace with a non-scratched, non-warped-disc.
	ERROR 6	A DISC inside the DVD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly
	ERROR P	Parental level error	Set the correct Parental level.
	ERROR R	Region code error	Eject the disc and replace correct region code disc.

If an error display other than the ones described above appears, press the reset button. If the problem persists, turn off the power and consult your store of purchase.

11. SPECIFICATIONS

FM Tuner

Frequency Range:
  87.9 MHz to 107.9 MHz

Usable Sensitivity:
  9 dBf

50dB Quieting Sensitivity:
  15 dBf

Alternate Channel Selectivity:
  70 dB

Stereo Separation (1 kHz):
  35 dB

Frequency Response (±3 dB):
  30 Hz to 15 kHz

AM Tuner

Frequency Range:
  530 kHz to 1710 kHz

Usable Sensitivity:
  25 μV

CD Player

System:
  Compact disc digital audio system

Usable Discs:
  Compact disc

Frequency Response (±1 dB):
  5 Hz to 20 kHz

Signal to Noise Ratio (1 kHz):
  100 dB

Dynamic Range (1 kHz):
  95 dB

Harmonic Distortion:
  0.01%

Audio

Maximum Power Output:
  212 W (53 W $\times$ 4 ch)

Continuous Average Power Output:
  18 W $\times$ 4, into 4 Ω, 20 Hz to 20 kHz, 1%THD

Bass Control Action (50 Hz/80 Hz/120 Hz):
  +16 dB, −12 dB

Treble Control Action (8 kHz/12 kHz):
  ±12 dB

Line Output Level (CD 1 kHz):
  1.8 V

General

Power Supply Voltage:
  14.4 V DC (10.8 to 15.6 V allowable), negative ground

Current Consumption:
  Less than 15 A

Speaker Impedance:
  4 Ω (4 Ω to 8 Ω allowable)

Weight / Source unit:
  2.75 lb. (1.6 kg)

Weight / Remote control unit:
  1.41 oz. (40 g) (including battery)

Dimensions / Source unit:
  7" (Width) $\times$ 2" (Height) $\times$ 6-1/8" (Depth)
  [178 (W) $\times$ 50 (H) $\times$ 155 (D) mm]

Dimensions / Remote control unit:
  1-3/4" (Width) $\times$ 4-5/16" (Height) $\times$ 7/16" (Depth)
  [44 (W) $\times$ 110 (H) $\times$ 11 (D) mm]

Note:
• Specifications and design are subject to change without notice for further improvement.

Clarion Co., Ltd.

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